|  |  |  |  |
| --- | --- | --- | --- |
| Mr. Michael T. Davis  Pre-Calculus | | 3.4 Properties & Rules of Logarithmic (1)  February 22, 2016 | |
| Name: | |

1. 

The sum of two logs is the one log of the product of the logarands

1. 

The difference of two logs is the one log of the difference of the logarands

1. 

The log of a base with a power is the product of the power and the log

Use the properties of logarithms to evaluate the following logarithmic expressions:

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
| 1. True or False | 1. True or False |
| 1. Convert  to exponential form | 1. Convert  to exponential form |
| 1. If , then | 1. If , then |